

~~XXXXXX~~**Miller, Robert**

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rcsf.ca>
Sent: Tuesday, April 18, 2017 10:21 AM
To: Miller, Robert
Subject: CWHC Diagnostic Report I029847
Attachments: NY.102504.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=d1d6e4e428da3798f5d662cb3c8cd74f

Bob,

Attached is a report for a squirrel poisoned by bromethalin. Do you want reports like this (direct poisoning of wild rodents with rodenticides)?

Joe

CWHC IT DEPARTMENT

w. <http://www.cwhc-rcsf.ca>

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Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.102504.1

Incident Information

Incident Code : NY.102504
Species : Eastern Gray Squirrel
(*Sciurus carolinensis*)
Age : Adult
Sex : Female
Weight : 561 g
Date Received : 2016-08-03
Date Found : 2016-08-02

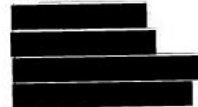
Location :



Finder/Submitter Information

Submitter :
ACO Richard Watt
Town of Bethlehem

Finder :



Information Provided With Specimen

Sick squirrel in driveway, has found 2 other deceased squirrels in yard in past 2 days.

Walked up upon by 3 people. Not moving until poked with stick, moved several feet and just sat there, head alert, eyes open.

ACO Watt put cage in front of it, poked it with baton and it jumped in and just sat there. Euthanized at 1715 with CO2.

Diagnosis and Interpretation

Final Diagnosis

Poisoning with Bromethalin (neurotoxic rodenticide)

Test Results

Necropsy

Good flesh, fat. No lesions. Cecum contents an unnatural turquoise-green color as are a few fecal pellets in colon.

Toxicology

Analysis of visceral fat (UPLC/MS-MS) for desmethylbromethalin (NYSDEC BAQS Shared Lab):

(1080 ng/g)

Joseph Okoniewski

Confidentiality Notice

Personal privacy information

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rscsf.ca>
Sent: Tuesday, April 18, 2017 10:54 AM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102815.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=9e70c0ddc72be8aaaf23f23941cb3839

Bob,

Another squirrel killed by bromethalin.

Joe Okoniewski
NYSDEC - Wildlife Health Unit

CWHC IT DEPARTMENT
w. <http://www.cwhc-rscsf.ca>

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Department of
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Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.102815.1

Incident Information

Incident Code : NY.102815
Cross Ref : 205064-16
Species : Eastern Gray Squirrel
(*Sciurus carolinensis*)
Age : Adult
Sex : Female
Weight : 565 g
Date Received : 2016-11-17
Date Found : 2016-11-04

Location :



Finder/Submitter Information

Submitter :
Sarah Coulombe
Wildlife Rehabilitator

Finder :
[Redacted]
general public

Information Provided With Specimen

Outside on porch at residence. Crawling on belly, legs splayed, eyes half closed, difficulty breathing

Drank some fluid. Came in body stiff, front paws clasped together, back toes curled, seizures, pupils fully dilated, no response to light. (Dancing of the eyes)

Diagnosis and Interpretation

Final Diagnosis

Poisoning with Bromethalin (neurotoxic rodenticide)

Test Results

Necropsy

Good flesh, small-to-moderate fat. Lungs blotchy with hemorrhagic areas but otherwise unremarkable.
Alimentary canal essentially empty.

Virology

West Nile virus PCR:

Pooled brain and kidney - Negative

Toxicology

Analysis of visceral fat (UPLC/MS-MS) for desmethylobromethalin (NYSDEC BAQS Shared Lab):

1080 ng/g

Joseph Okoniewski

Confidentiality Notice

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rscsf.ca>
Sent: Tuesday, April 18, 2017 11:30 AM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102814.pdf

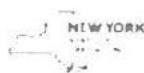
Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:
http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=d741ff8c24fe26717eb3101e2d8d30c1

Bob,
One more squirrel with bromethalin dx.
Joe

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w. <http://www.cwhc-rscsf.ca>

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Department of
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Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

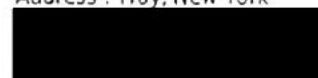
Specimen Code : NY.102814.1

Incident Information

Incident Code : NY.102814
Cross Ref : 205064-16
Species : Eastern Gray Squirrel
(*Sciurus carolinensis*)
Age : Adult
Sex : Female
Weight : 547 g
Date Received : 2016-11-17
Date Found : 2016-11-02

Location :

Address : Troy, New York



Finder/Submitter Information

Submitter :
Sarah Coulombe
Wildlife Rehabilitator

Finder :
Troy ACO
Troy Animal Control

Information Provided With Specimen

Came in neuro, pupils fully dilated, non-responsive to light. Front and back legs very stiff, front paws clasped together, back feet curled. Drank fluids OK but had seizures in between.

Diagnosis and Interpretation

Final Diagnosis

Poisoning with Bromethalin (neurotoxic rodenticide)

Interpretation

The level of bromethalin is notably lower than several other poisoning cases we have investigated so far with this pesticide (range 203 - 1180 ppb, n = 8) but the reported clinical signs suggest bromethalin as a likely cause.

Test Results

Necropsy

Blood-tinged fluid coming from nares and mouth. Good flesh, scant trace of fat. Subcutaneous tissue on right side of neck is hemorrhagic. Lungs uniformly extremely hemorrhagic (not dense); small amount of blood-tinged fluid in pleural cavities. Multiple placental scars in uterus. Some watery fluid in stomach; intestine nearly empty.

Virology

WNV PCR:

Pooled Sample- Negative

Toxicology

Analysis of visceral fat (UPLC/MS-MS) for desmethylobromethalin (NYSDEC BAQS Shared Lab):

61 ng/g

Joseph Okoniewski

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rccsf.ca>
Sent: Tuesday, April 18, 2017 2:09 PM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.103073.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=7a43fa89fbc04c64cd1f481b59db4b45

Bob,

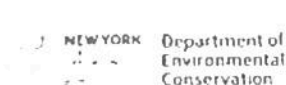
Anticoagulant rodenticide-caused mortality in RTHA from NYC (March 2017). Report attached.

Joe

CWHC IT DEPARTMENT

w. <http://www.cwhc-rccsf.ca>

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Wildlife Health Unit
 New York State Department of Environmental Conservation
 108 Game Farm Road, Delmar NY 12054
 Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date : 2017-04-11

Specimen Code : NY.103073.1

Incident Information

| | | | |
|-----------------|--|------------|---------------------------|
| Incident Code : | NY.103073 | Location : | Address : City Hall Park, |
| Cross Ref : | 051226-17 | | Manhattan, New York |
| Species : | Red-Tailed Hawk (<i>Buteo jamaicensis</i>) | | Latitude : 40.7128498 |
| | | | Longitude : -74.006465 |
| Age : | ASY - After Second Year | | |
| Sex : | Male | | |
| Weight : | 987 g | | |
| Date Received : | 2017-03-22 | | |
| Date Found : | 2017-03-09 | | |

Finder/Submitter Information

| | |
|------------------------|----------------|
| Submitter : | Finder : |
| NYC urban park rangers | Not identified |

Information Provided With Specimen

Hawk was found dead perched high in a tree on 3/9/17. A cherry picker truck retrieved the hawk from the tree on 3/11/17.

Diagnosis and Interpretation

Final Diagnosis

Poisoning - Anticoagulant Rodenticides

Interpretation

The degree of desiccation of the feet suggest that the carcass may have been in the tree significantly before the date it was reported in the history.

Test Results

Necropsy

Feet considerably dehydrated. Fly eggs in mouth and in eye sockets. Good flesh, fat. Extensive subcutaneous hemorrhage over dorsal hindquarters and down lateral aspect of left thigh. Ventral abdominal wall looks bruised but there is no free hemorrhage. Internally, the organs are nearly bloodless and are moderately autolyzed. The stomach contains a small amount of bright green paste and a few fragments of starling feathers. Fluke eggs are present in a sample of intestine content.

Toxicology

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

| | |
|--------------|-------|
| Brodifacoum | 0.114 |
| Difethialone | 0.358 |

NOT DETECTED (detection limit < 0.005): bromadiolone, difenacoum, warfarin, diphacinone, chlorophacinone.

PCR

AIV PCR:
Pooled swab- Negative

Joseph Okoniewski

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rcsf.ca>
Sent: Tuesday, April 18, 2017 2:15 PM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102989.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:
http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=6b96d8418f2fe6af7172deb31913b3d2

Bob,
AC-poisoned GHOW from Buffalo (Feb 2017) Joe

CWHC IT DEPARTMENT
w. <http://www.cwhc-rcsf.ca>

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Department of
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Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date : 2017-04-05

Specimen Code : NY.102989.1

Incident Information

| | | | |
|-----------------|--|------------|-----------------------------|
| Incident Code : | NY.102989 | Location : | Address : Forest Lawn |
| Cross Ref : | 025211-17, B917005 | | Cemetery, Buffalo, New York |
| Species : | Great Horned Owl (<i>Bubo virginianus</i>) | | Latitude : 42.8864468 |
| | | | Longitude : -78.8783689 |
| Age : | SY - Second Year | | |
| Sex : | Female | | |
| Weight : | 1957 g | | |
| Date Received : | 2017-02-14 | | |
| Date Found : | 2017-02-10 | | |

Finder/Submitter Information

Submitter :
Connie Adams
Region 9 Wildlife

Finder :
[REDACTED]

Information Provided With Specimen

This owl seems in perfect shape except for drops of blood coming out of its nostrils. It also died in the mantling position, where its wings are cupped -- and feet are clenched....and it was in a sitting up position like this, under its tree...where it normally eats, because the earth under the tree is littered with owl pellets. Looked very fresh when found by K. Gorman, who was there to photograph it at its nest. The eyes were still half open and moist when discovered. She brought it to DEC Buffalo within an hour of finding it, so it was frozen while quite fresh.

Diagnosis and Interpretation

Final Diagnosis

Poisoning - Anticoagulant Rodenticides

Test Results

Necropsy

Blood in mouth (and in plumage at right corner of mouth). Robust skeletal muscle, very large fat deposits. Skeletal muscle slightly pale throughout. Blood in trachea. Subcutis along lower neck is hemorrhagic. Blood/mucus mix in esophagus. Intraosseous hemorrhage in sternum. Blood clot between liver and lung on left side. Hemorrhage in both lungs. Oviduct contains a broken shelled egg. Multiple ova variably enlarged. Heart, liver, spleen and kidneys devoid of blood. Brain also nearly bloodless. Gall bladder full. Small bursa present. Stomach contains an irregular fur pellet that (on quick exam) contains no bones, teeth or nails. Little in intestine; flukes and 4 nematodes (*Parrocaecum* sp.) present.

Toxicology

Analysis of visceral fat (UPLC/MS-MS) for desmethylobromethalin (NYSDEC BAQS Shared Lab):

Not Detected (DL <<1 ng/g)

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

| | |
|--------------|-------|
| Brodifacoum | 0.037 |
| Difethialone | 0.166 |
| Bromadiolone | 0.391 |

NOT DETECTED (detection limit < 0.005): difenacourm, warfarin, diphacinone, chlorophacinone.

Joseph Okoniewski

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rcsf.ca>
Sent: Tuesday, April 18, 2017 4:21 PM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.103064.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=3bbb55bc5148f3def11dae1432bf7321

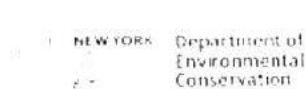
Bob,

Report for EASO killed by difethialone is attached.

Joe Okoniewski
NYSDEC - Wildlife Health Unit

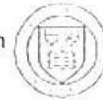
CWHC IT DEPARTMENT
w. <http://www.cwhc-rcsf.ca>

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Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.103064.1

Incident Information

Incident Code : NY.103064
Species : Eastern Screech-Owl
(*Megascops asio*)
Age : ASY - After Second Year
Sex : Female
Weight : 173 g
Date Received : 2017-03-21
Date Found : 2017-03-04

Location :

Address : [REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

Finder/Submitter Information

Submitter :
Christina Hoh
DEC Region 8

Finder : [REDACTED]

Information Provided With Specimen

[REDACTED] found the owl dead in her side yard, about 12ft from her home and 10ft from a tree, not especially close to the road. She kept it in a bag in her garage until it was picked up on 3/7.

Diagnosis and Interpretation

Final Diagnosis

Poisoning with the anticoagulant rodenticide difethialone.

Test Results

Necropsy

Feet dry. Post-mortem fungal growth in mouth, and internally in some air sacs. Good flesh, large fat deposits. Extensive subcutaneous hemorrhage on left side of trunk and down left leg to knee. Similar hemorrhage on lateral aspect of lower right leg (below knee). Organs pale and practically bloodless, but also variably autolyzed. Stomach empty except for one small (3-4 mm diam.) pellet comprised of plant tissue resembling seed coat. Fluke eggs present in sample of intestine content.

Toxicology

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

Difethialone 1.225

NOT DETECTED (detection limit < 0.005): bromadiolone, difenacoum, warfarin, diphacinone, chlorophacinone.

Joseph Okoniewski

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rscsf.ca>
Sent: Tuesday, April 18, 2017 5:00 PM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102911.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=0c6067e0417d32f71a6a15556ee5d6c6

Bob,

Report for brodifacoum/difethialone -caused mortality in RTHA from Albany is attached. I actually picked this one up in the field while it was still alive.

Joe Okoniewski
NYSDEC - Wildlife Health Unit

CWHC IT DEPARTMENT
w. <http://www.cwhc-rscsf.ca>

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Wildlife Health Unit
New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.102911.1

Incident Information

Incident Code : NY.102911
Cross Ref : 009356-17
Species : Red-Tailed Hawk (*Buteo jamaicensis*)
Age : SY - Second Year
Sex : Female
Weight : 1259 g
Date Received : 2017-01-11
Date Found : 2017-01-11

Location :

Address :

Finder/Submitter Information

Submitter :

Finder :

General public

Information Provided With Specimen

Found on ground in backyard, very weak, eventually postrate. Extremely pale mouth, anticoagulant problem suspected. Died in transit after collection by JCO.

Diagnosis and Interpretation

Final Diagnosis

Poisoning with the anticoagulant rodenticides brodifacoum and difethialone.

Test Results

Necropsy

Pale mouth. Fresh minor laceration of medial aspect of distal phalange of 2nd digit of right foot. Good flesh, large fat reserves (especially visceral). Large amount (~35 ml) of unclotted blood in lower half of body cavity. Negligible blood in heart, spleen, liver, kidney, and brain. Trace of unidentified small mammal hair in stomach. Little in intestine; no enteric parasites detected.

Toxicology

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

Brodifacoum 0.226

Difethialone 0.298

NOT DETECTED (detection limit < 0.005): bromadiolone, bromadiolone, difenacoum, warfarin, diphacinone, chlorophacinone.

Joseph Okoniewski

Confidentiality Notice

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rscsf.ca>
Sent: Wednesday, April 19, 2017 9:27 AM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102901.pdf

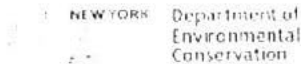
Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:
http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=cdd7da5c0696e931cef4d22f7b0cb58c

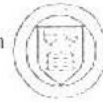
Bob,
ACs in RTHA from Chinatown NYC. Report attached.
Joe

CWHC IT DEPARTMENT
w. <http://www.cwhc-rscsf.ca>

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Wildlife Health Unit
New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.102901.1

Incident Information

Incident Code : NY.102901
Cross Ref : 009356-17
Species : Red-Tailed Hawk (*Buteo jamaicensis*)
Age : SY - Second Year
Sex : Male
Weight : 1028 g
Date Received : 2017-01-06
Date Found : 2017-01-04

Location :

Address : [REDACTED]
[REDACTED]
[REDACTED]

Finder/Submitter Information

Submitter :
Robert Horvath
Wildlife Rehabilitator

Finder :
Unknown

Information Provided With Specimen

Down and lethargic in Chinatown part of lower east side of Manhattan. Picked up by Urban Park Ranger and taken to Animal Medical center where low PCV was determined and vitamin K and fluids administered. Transferred to Horvath but died shortly after arrival.

Diagnosis and Interpretation

Final Diagnosis

Poisoning with anticoagulant rodenticides: difethialone, bromadiolone, and brodifacoum

Test Results

Necropsy

Bloody mucus in mouth. Good flesh, large fat deposits, especially visceral. Skeletal muscle is pale. There is a large subcutaneous and inter-muscular bruise on the right side of the breast. Smaller areas of hemorrhage are present on the left side of the breast and near the ventral aspect of the right shoulder. Internally, the heart, liver, spleen and kidneys are pale/bloodless. There is substantial clotted hemorrhage enveloping the stomach, spleen and a portion of the adjacent loops of intestine. The lungs are edematous and irregularly hemorrhagic. The stomach is empty and there is little in the intestine; one *Parrocaecum* (nematode) present in the latter. A few fluke eggs are present in a sample of intestine content.

Toxicology

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

| | |
|--------------|-------|
| Brodifacoum | 0.015 |
| Bromadiolone | 0.183 |
| Difethialone | 0.355 |

NOT DETECTED (detection limit < 0.005): difenacoum, warfarin, diphacinone, chlorophacinone.

Joseph Okoniewski

Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rccsf.ca>
Sent: Wednesday, April 19, 2017 10:24 AM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102734.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

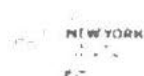
View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=5f221f5f69bcd62696d967a8e84e450f

Bob,
Report for GHOW from Long Island (last October) killed by bromadiolone is attached.
Joe

CWHC IT DEPARTMENT
w. <http://www.cwhc-rccsf.ca>

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NEW YORK
Department of
Environmental
Conservation

Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.102734.1

Incident Information

Incident Code : NY.102734
Cross Ref : 179927-16, 179985-16
Species : Great Horned Owl (*Bubo virginianus*)
Age : HY - Hatch Year
Sex : Female
Weight : 1499 g
Date Received : 2016-10-24
Date Found : 2016-10-20

Location :

Address :

Finder/Submitter Information

Submitter :
Kevin Jennings
NYSDEC - Region 1 Wildlife

Finder :

Information Provided With Specimen

Bird was found dead near group of trees in backyard. Homeowner reported hearing lots of bird noises (crows?) in the yard around 1430. Owl was found dead around 1730.

Diagnosis and Interpretation

Final Diagnosis

Poisoning with the anticoagulant rodenticides (principally bromadiolone).

Test Results

Necropsy

Feathers on left side (trunk, leg, medial aspect wing) extensively soiled with blood, origin unclear. Mouth extremely pale. Skeletal muscle pale throughout. In good flesh with moderate fat deposits, primarily visceral. Liver and spleen are bloodless. Kidneys are pale. Heart contains a trace of blood-tinged watery fluid. There is an irregular mass in the mid-right thoracic air sac that loosely encapsulates a mineralized mass of unknown composition/origin. Nearby (against the ribs close to the sternum) is one female *Cyathostoma* sp.. Gall bladder is distended with bile. The stomach contains a trace of feathers (similar its own filoplume-like feathers on its leg and ventro-lateral trunk) and 3 small seeds (probably from two different small fruits). About a dozen unidentified nematodes (variable size, possibly immature *Parrocaecum* sp.) are present in the intestine (no other intestinal parasites detected).

Virology

West Nile virus PCR:

Pooled brain and kidney - Negative

Toxicology

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

| | |
|--------------|-------|
| Brodifacoum | 0.021 |
| Bromadiolone | 0.756 |

NOT DETECTED (detection limit generally < 0.005): difethialone (< 0.01), difenacoum, warfarin, diphacinone, chlorophacinone.

Joseph Okoniewski

Confidentiality Notice

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Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rscsf.ca>
Sent: Wednesday, April 19, 2017 10:51 AM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102629.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=b634a18d05447cdccf5f9012450904f2

Bob,

Attached is a report for a RTHA killed by brodifacoum last September in NYC (near Corlear Hook Park).

Joe

CWHC IT DEPARTMENT

w. <http://www.cwhc-rscsf.ca>

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Department of
Environmental
Conservation

Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.102629.1

Incident Information

| | | | |
|-----------------|--|------------|------------------------------|
| Incident Code : | NY.102629 | Location : | Address : Corlear Hook Park, |
| Cross Ref : | 159688-16, 159695-16 | | New York, New York |
| Species : | Red-Tailed Hawk (<i>Buteo jamaicensis</i>) | | Latitude : 40.7116965 |
| | | | Longitude : -73.9796972 |
| Age : | AHY - After Hatch Year | | |
| Sex : | Female | | |
| Weight : | 1083 g | | |
| Date Received : | 2016-09-14 | | |
| Date Found : | 2016-09-12 | | |

Finder/Submitter Information

| | |
|------------------------|------------------------|
| Submitter : | Finder : |
| Jonathan Metzelaar | Mara Pendergrass |
| NYC Urban Park Rangers | NYC Urban Park Rangers |

Information Provided With Specimen

Found dead next to one of the buildings in the housing project across from Corlear Hook Park (Water Street and Jackson Street).

Diagnosis and Interpretation

Final Diagnosis

Poisoning with the anticoagulant rodenticide brodifacoum

Test Results

Necropsy

Dried blood and feather parts on tip of upper bill. Plumage on medial aspect of right wing heavily soiled with dried blood - source appears to be a 1 cm skin laceration over medial aspect of metacarpus. Subcutaneous hemorrhage in this area extends from wrist to tip of wing. Small bruise at left caudal margin of pelvis. Good flesh with moderate subcutaneous and substantial visceral fat deposits. Organs (including brain) and large blood vessels are nearly devoid of blood. Stomach empty. Intestine empty; one ascarid nematode present. Condition of ovaries and oviduct indicate that this female has not yet laid eggs.

Virology

West Nile virus PCR:

Pooled tissue- Negative)

Toxicology)

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

Brodifacoum 0.174

NOT DETECTED (detection limit generally < 0.005): bromadiolone, difethialone (<0.01), difenacoum, warfarin, diphacinone, chlorophacinone.

Joseph Okoniewski

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Miller, Robert

From: Joseph Okoniewski <joseph.okoniewski@dec.ny.gov> <no.reply@cwhc-rcsf.ca>
Sent: Wednesday, April 19, 2017 11:27 AM
To: Miller, Robert
Subject: CWHC Diagnostic Report
Attachments: NY.102661.pdf

Joseph Okoniewski has sent you the attached Diagnostic Specimen report.

View Report Online:

http://www.wildlifesubmissions.org/report_attachments.php?lang=en&report=7bb09a9a59920da2c778f2ad47a9b1f0

Bob,

Attached is report for a brodifacoum-poisoned GHOW from Long Island (Southold, September 2016).

Joe

CWHC IT DEPARTMENT

w. <http://www.cwhc-rcsf.ca>

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Wildlife Health Unit

New York State Department of Environmental Conservation
108 Game Farm Road, Delmar NY 12054
Phone: 518-478-3034/3038 Fax: 518-478-3035



Cornell University

Diagnosis Date :

Specimen Code : NY.102661.1

Incident Information

Incident Code : NY.102661
Cross Ref : 167854-16, 167867-16
Species : Great Horned Owl (*Bubo virginianus*)
Age : AHY - After Hatch Year
Sex : Female
Weight : 1400 g
Date Received : 2016-09-23
Date Found : 2016-09-20

Location :

Address :

Finder/Submitter Information

Submitter :
Peter Davis
DEC Region 1- Stony Brook
NYSDEC - Region 1

Finder :
Not identified

Information Provided With Specimen

Owl carcass was found at [REDACTED] in Southold, NY

Diagnosis and Interpretation

Final Diagnosis

Poisoning with the anticoagulant rodenticide brodifacoum

Test Results

Necropsy

Mouth pale, fly eggs present. Skin on medial side of toe 2 of right foot is very red and has one very small puncture. The subcutaneous tissue on this toe is hemorrhagic. There is a moderate subcutaneous hemorrhage over the lateral aspect of the upper left humerus. Overall in good flesh with small fat deposits (mostly visceral). The skeletal muscle is slightly pale throughout. Internally there is little blood in the heart or other organs (which show consequent pallor). Spleen small (0.25 g). There is considerable bile in the gall bladder. The stomach is empty and the lining is sloughing. There is little in the intestine; 2 Porrocaecum present in upper intestine, a few fluke eggs detected microscopically in sample of contents.

Virology

West Nile virus PCR:

Pooled brain and kidney - Negative

Toxicology

Anticoagulant rodenticides (ppm, wet basis) in liver (NYSDEC - BAQS Shared Laboratory Facility):

Brodifacoum 0.206

NOT DETECTED (detection limit generally < 0.005): bromadiolone, difethialone (< 0.01), difenacoum, warfarin, diphacinone, chlorophacinone.

Joseph Okoniewski

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